

Active Native Lycopersicon Esculentum Lectin Protein, Texas Red conjugated

Cat. No. Lectin-1728L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Tomato lectin from Lycopersicon esculentum and has sugar specificity against [GlcNAc]1-3, N-Acetylglucosamine. The excitation maximum is at 595 nm and the emission maximum is at 615 nm.
Species	Lycopersicon Esculentum
Source	Lycopersicon Esculentum
Description	Tomato lectin is a very stable single subunit glycoprotein containing about 50 percent arabinose and galactose and may form multimeric aggregates in solution. Tomato lectin, although sharing some specificities with potato lectin, Datura lectin, and wheat germ agglutinin, has been reported to be dissimilar in many respects. LEL binds well to glycophorin and Tamm-Horsfall glycoprotein and has been used effectively to label vascular endothelium in rodents. Tomato lectin (from Lycopersicon esculentum) is an effective marker of blood vessels and microglial cells in rodents. Conjugation of the lectin with a fluorophore facilitates fast, one-step detection and visualization using intravascular perfusion methods or direct application to tissue sections.
Form	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca ²⁺ .
Bio-activity	Inhibiting/Eluting Sugar: Chitin Hydrolysate. Carbohydrate-Binding Specificity: [GlcNAc]1-3, N-Acetylglucosamine.

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Molecular Mass	71 kDa
Applications	Immunofluorescence, Glycobiology
Storage	Refrigerate in the dark. If a precipitate forms upon long-term storage, warm to 37 centigrade.
Concentration	1 mg/ml
GENE INFORMATION	
Synonyms	Lectin; LEL; TL; Tomato Lectin

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